

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2005/050698

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L7/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/181631 A1 (MACKEY RICHARD P ET AL) 5 December 2002 (2002-12-05) paragraph '0001! paragraph '0022! - paragraph '0024! paragraph '0026! - paragraph '0029! paragraph '0031! - paragraph '0033! paragraph '0038! paragraph '0040! - paragraph '0041! paragraph '0044! - paragraph '0049! claims 1,2,7 figure 3 figure 4 figure 5 ----- -/-/	1-10

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

2 May 2005

Date of mailing of the international search report

09/05/2005

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl
Fax (+31-70) 340-3016

Authorized officer

Marongiu, M.T.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/050698

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/165158 A1 (DAVIES MICHAEL I ET AL) 4 September 2003 (2003-09-04) paragraph '0002! paragraph '0008! paragraph '0011! paragraph '0029! paragraph '0035! paragraph '0045! - paragraph '0046! paragraph '0049! claims 16,17 figure 1 figure 2	1-10
X	US 2002/167337 A1 (CHELCEA TIBERIU ET AL) 14 November 2002 (2002-11-14) paragraph '0005! paragraph '0013! paragraph '0016! - paragraph '0018! paragraph '0084! paragraph '0089! - paragraph '0090! paragraph '0097! paragraph '0101! paragraph '0106! paragraph '0108! - paragraph '0110! paragraph '0115! - paragraph '0117! paragraph '0139! - paragraph '0140! figure 9 figure 10	1-5,10
A	EP 1 124 179 A (TEXAS INSTRUMENTS INCORPORATED; TEXAS INSTRUMENTS LIMITED) 16 August 2001 (2001-08-16) column 1, line 45 - line 48 column 1, line 55 - column 2, line 5 column 5, line 43 - column 6, line 39 claims 2,3; figures 3-5	1-10
A	US 4 873 703 A (CRANDALL ET AL) 10 October 1989 (1989-10-10) column 1, line 55 - column 2, line 20 column 3, line 9 - line 17 column 3, line 63 - column 4, line 2 column 6, line 33 - line 34 column 6, line 49 - line 55 column 7, line 7 - line 13 claims 1,2,7-10 figure 1	1-10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2005/050698

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2002181631	A1	05-12-2002	NONE		
US 2003165158	A1	04-09-2003	US 2003159078 A1		21-08-2003
			AU 2003215211 A1		04-09-2003
			EP 1474748 A2		10-11-2004
			WO 03069485 A2		21-08-2003
US 2002167337	A1	14-11-2002	AU 6680801 A		17-12-2001
			CA 2412438 A1		13-12-2001
			CN 1478226 A		25-02-2004
			EP 1374032 A2		02-01-2004
			JP 2004510216 T		02-04-2004
			WO 0195089 A2		13-12-2001
EP 1124179	A	16-08-2001	EP 1124179 A1		16-08-2001
			JP 2001265715 A		28-09-2001
			US 2001042219 A1		15-11-2001
US 4873703	A	10-10-1989	CA 1266720 A1		13-03-1990
			DE 3674700 D1		08-11-1990
			EP 0217486 A2		08-04-1987
			JP 62074127 A		04-04-1987